

MEANS OF INCREASING MECHANICAL ADVANTAGE IN ASYNCHRONOUS COMPOUND BOWS

I. Abstract of the Invention

The invention defines alternate means of increasing mechanical advantage in asynchronous compound bows of a type generally defined in patent 6,470,870, which employ dual planar compound pulleys as the primary leverage inducing agent, and at least one non-coplanar actuator section rigging. Additional pulley elements are added to the primary limb, or PRES member extension, or both, in a variety of possible configurations, in a manner that provides greater leverage than would be present in prior art asynchronous compound bows of the type defined generally by patent 6,470,870.